

Frey



Automated Perimeter

AP-600

AP-600 Automated Perimeter

Reducing testing time - increasing reliability.

Modern AP-600 Visual Field Analyzer was created to support the examination workflow at every level. This minimalistic yet operative design comes with a number of advantageous functions - remarkably simple setup, smooth maintenance and wide range of tests. Proprietary software and user-friendly interface contribute to even faster testing and patients comfort during the examination.



Rapid testing time

Modern and innovative platform provides clinicians with a full suite of ITA Faster, Fast and Standard testing times which improves practice workflow and enhances patient comfort and lessens waiting times.



Patients audio guide

Instructions and commands appear during the preparation stage and as the examination takes place, accustoming the patient to the specificity of the test. Operator can either read or play instructions to the patient.



Easy setup

World class design, clinician and patient interface. Ergonomic user interface with patient audio guidance ensure rapid test times, with reduced clinician down time.



Near Vision Test

Allows you to verify if patient refraction error or correction lens used will not affect reliability of examination results.



17" HD Capacitive Touch Screen

17" High Definition capacitive touchscreen devices support multi-touch controls by the physician and allows for greater versatility in terms of control, making it the ideal choice for busy practices.



Position sensor

Head sensors continuously verifies correct patient position. If the patient pulls head away from the forehead support, device will immediately notify the operator and suggest repositioning.



Agile workflow

Streamline clinician workflow. AP-600 optical system with built in liquid lenses for faster and silent operation. Reduces set-up time and provides high quality test results.



Compact design

Slim silhouette saves space. Well thought-out design is the flagship feature of the AP-600 visual field analyzer.

AP-600

Key features

Enhancing practice efficiency

AP-600 & AP-600L Automated Perimeters ergonomic design promotes maximum patient comfort and is simple to operate. Intuitive proprietary software is an ideal clinical solution for small and medium practices to larger multi-site clinics and teaching hospitals.

Clinician ease of use and comfort

Exam reports are easily generated and displayed on a high-quality 17" Capacitive Touch Screen allowing clinicians to interpret and diagnose on the device without need for printing. Precise multipoint capacitive touch screen improves clinician interface and workflow navigating exam options and entering patient information.

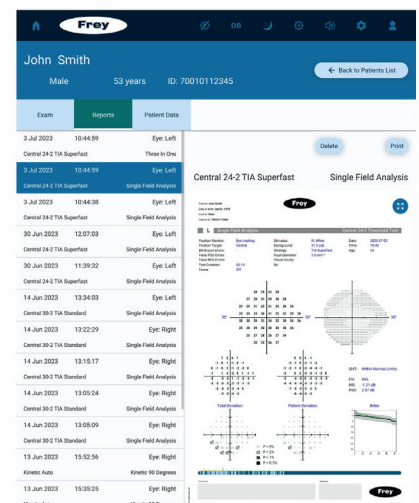
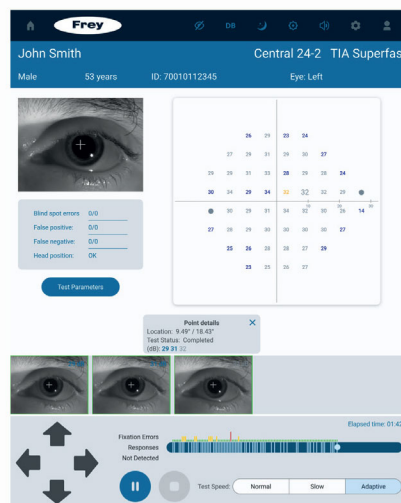
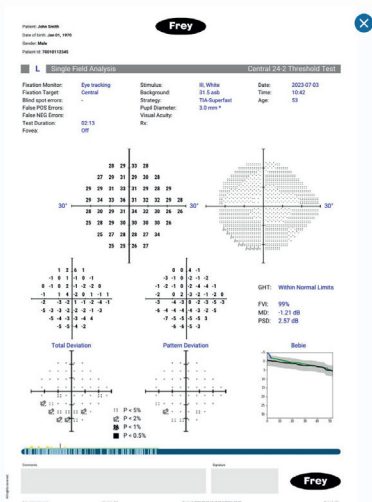
Advanced Eye Tracking for shorter exam time

Liquid lens auto focusing eye-tracking camera reliably produces focused image of the patient eye assuring precise gaze tracking. With each stimulus presentation, an eye image is captured. Multiple eye images, including recent one with indication about fixation level are visualized on the screen for continues gaze tracking. Stimuli locations that have been tested with inadequate fixation (automatically marked red) can be easily selected and subjected to retesting. The progress bar informs the clinician patient fixation level and response to the stimuli presentation through entire exam. Upon completion of the exam results can be reviewed and the history of patient fixation for each stimuli location can be easily verified to assure the clinician of exceptional reliability of exam data.

Near Vision Test - verify patient's refractive correction**

Accurate correction is important for precise visual field exams. A majority of patients aged 40+ do require correction lens for perimetry exam. When testing with a Goldman III stimulus, one diopter of refractive blur will produce around 1dB depression of the hill of vision.

During Near Vision test Snellen E optotype in different orientation and sizes is presented to the patient on measurement bowl surface. This provides the clinician with highly accurate and objective information about each patients' corrections. It is recommended that the patient should have visual acuity 0.8 or better.



AP-600 Technical Specification



Device type	AP-600 Automated Perimeter	
Test Specifications		
Maximum temporal range (degrees)	90	
Stimulus duration	200 ms/ 500 ms or 0.1-9.9s	
Visual field testing distance	30 cm	
Background illumination	31.5 ASB White/ 10 ASB White/ 315 ASB Yellow	
Stimulus		
Stimulus size	Goldmann I II III IV V	
Stimulus color	White/ Green/ Red/ Blue	
Stimulus presentations	White-on-White/ Red-on-White/ Green-on-White Blue-on-White/ Blue-on-Yellow (SWAP)	
Test Strategies - Threshold		Test Strategies - Suprathreshold
TIA-Superfast, TIA-Fast, TIA-Standard, TIA-SWAP, Full Threshold, Fast Threshold, Foveal Threshold	Two Zone, Three Zone, Quantify Defect	
	Test Modes	
	Age Corrected, Threshold Related, Single Intensity	
Test Fields		
Threshold	Suprathreshold	
Central 24-2, Central 24-2C, Central 10-2, Central 30-2, Peripheral 60-4, Macula, Nasal Step	Central 40 Point, Central 64 Point, Central 76 Point, Central 80 Point, Armaly Central, Nasal step, Peripheral 60 Point, Full Field 81 Point, Full Field 120 Point, Full Field 135 Point, Full Field 246 Point, Armaly Full Field, Superior 36 Point, Superior 64 Point, Esterman Monocular, Esterman Binocular, Gandolfo	
Fixation Control		
Heijl-Krakau blind spot monitor		
Video camera eye preview		
Digital Eye Tracking (DETECT)		
Head Tracking		
Vertex monitoring		
Software features		
Foveal threshold testing	EyeSnap function	
Automatic pupil measurement	Near Vision Test	
Single Field Analysis (SFA)	Custom static test patterns	
Glaucoma Hemifield Test (GHT)	Auto kinetic	
Field of View Index (FVI)	Custom kinetic test patterns	
Serial field overview	Manual kinetic	
DICOM Export	Remote Diagnostics and Software Loading	
DICOM OPV (Ophthalmic Visual Field)	User defined results storage location	
IOD (Information Definition)	OPV IOD Advanced Indices	
DICOM Worklist Modality	Progression Analysis	
Device Features		
Display	Touch-screen LCD 17 inch diagonal	
Keyboard/ Mouse support	Yes	
Networking	LAN and Wireless	
Chinrest	Automated - up, down, left, right movement	
Speakers and microphone	Build-in	
Dimensions		
Height	633 mm	
Width	566 mm	
Depth	396 mm	
Weight	24 kg	

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